UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

*Location Abandoned - Well never drilled - Jan 29, 1982

DATE FILED 11-28-80

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-43653 INDIAN

DRILLING APPROVED: 12-15-80

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: GL

DATE ABANDONED: LA Jan 29, 1982

FIELD: ~~Wildcat~~ 3/86 Undesignated

UNIT:

COUNTY: San Juan

WELL NO. Bug #19 API NO. 43-037-30613

LOCATION 2109' FT. FROM ~~XX~~(S) LINE, 1906' FT. FROM ~~X~~(W) LINE. NE¼ SW¼ 1/4 — 1/4 SEC. 21 SLBM

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				36S	26E	21	WEXPRO COMPANY

Form OGC-1a

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN [redacted]PLICATE*
(Other instructions on reverse side)

11

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.: U-43653

6. If Indian, Allottee or Tribe Name: --

1a. Type of Work: DRILL [xx] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: Oil Well [xx] Gas Well [ ] Other — Single Zone [ ] Multiple Zone [ ]

7. Unit Agreement Name: None

8. Farm or Lease Name: Bug

2. Name of Operator: Wexpro Company

9. Well No.: 19

3. Address of Operator: P.O. Box 1129, Rock Springs, Wyoming 82901

10. Field and Pool, or Wildcat: ~~Development~~ Wildcat

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: NE 1/4 SW 1/4 Section 21, T.36S., R.26E.
2109' FSL 1906' FWL
At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area: S.21, T.36S., R.26E.

14. Distance in miles and direction from nearest town or post office*: 22 miles northeast to Dove Creek, Colorado

12. County or Parrish: San Juan 13. State: Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 531'

16. No. of acres in lease: 40

17. No. of acres assigned to this well: --

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: None

19. Proposed depth: 6300' Salt

20. Rotary or cable tools: Rotary

21. Elevations (Show whether DF, RT, GR, etc.): GR 6490'

22. Approx. date work will start*: Upon approval

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	1960'	900 Sks. of Reg. "G" cement w/3% CaCl.
8-3/4"	5-1/2"	17#	6300'	To be determined from caliper logs

Wexpro Company proposes to drill the subject well to a total depth of 6300'.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 12/15/80
BY: CB Feight

RECEIVED
NOV 28 1980
DIVISION OF OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed: R.W. Headd Title: Dir. of Civil Engr. Date: 11/24/80

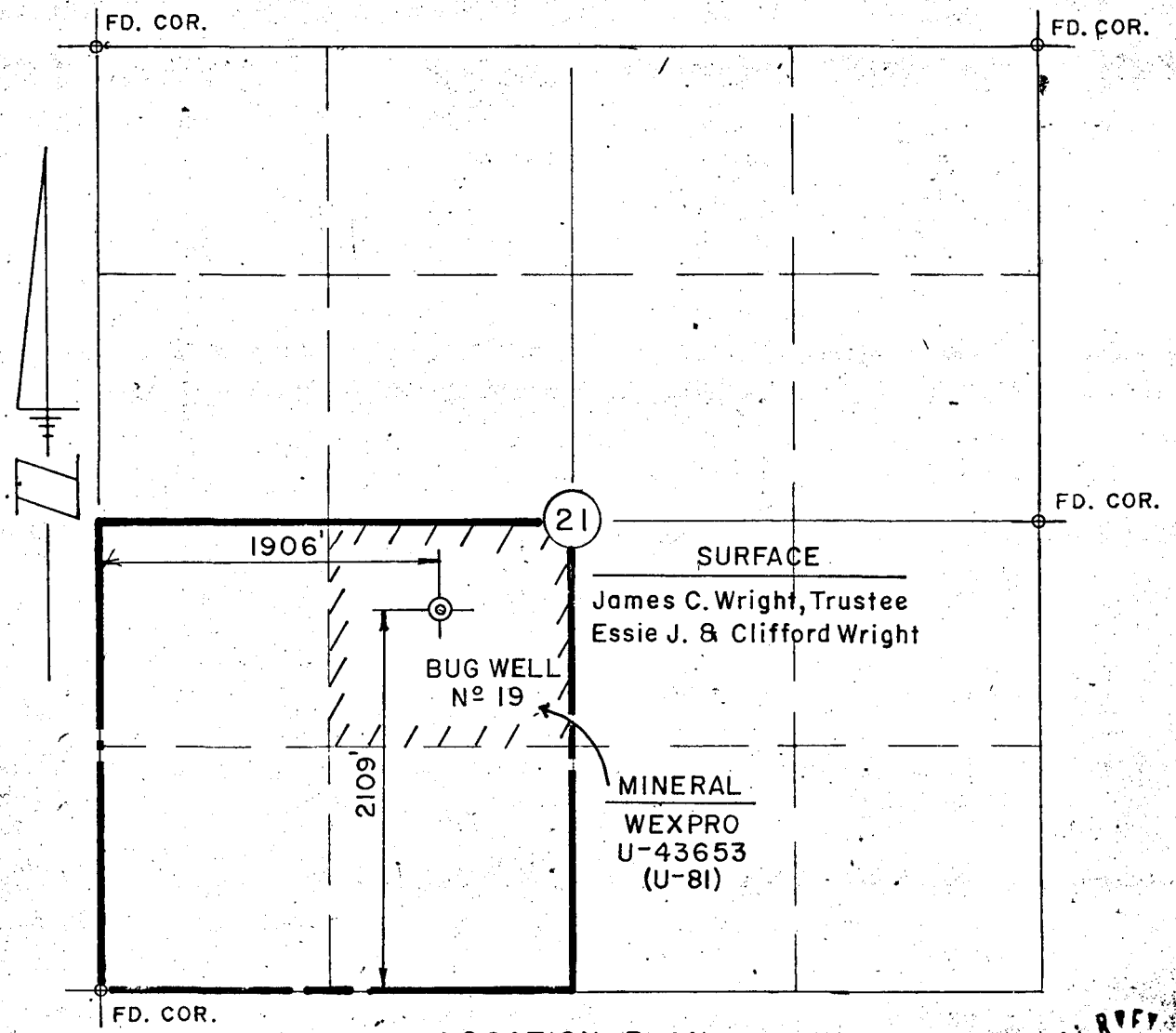
(This space for Federal or State office use)

Permit No. ..... Approval Date .....

Approved by ..... Title ..... Date .....
Conditions of approval, if any:

*See Instructions On Reverse Side

T. 36 S., R. 26 E., S.L.B.& M.
San Juan County, Utah



LOCATION PLAN
SCALE 1" = 1000

Surface
Mineral

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

LEGEND

- ⊕ ℄ Well
- ⊕ Stone Corner
- ⊕ Pipe Corner

Thomas W Harvey
ENGINEER

THOMAS W. HARVEY, UTAH L.S. Registration No. 3824

ENGINEERING RECORD	
SURVEYED BY	B&G 11-1-80
REFERENCES	G.L.O. PLAT ☐ U.S.G.S. QUAD. MAP ☒
LOCATION DATA	
FIELD	Bug
LOCATION: NE1/4 SW1/4, SEC. 21, T.36S., R.26E., S.L.B. & M. 1906' FWL, 2109' FSL	
SAN JUAN COUNTY, UTAH	
WELL ELEVATION: 6499' as graded by electronic vertical angles from Company Bench Mark.	

WEXPRO COMPANY

CERTIFIED WELL LOCATION
AND
WELL SITE PLAN

BUG WELL Nº 19

DRAWN: B&G 11-10-80	SCALE: 1" = 1000	
CHECKED: DTM	DRWG. NO. M-15650	1/4
APPROVED: RWH		

WEXPRO COMPANY
BUG WELL NO. 19
LEASE NO. U-43653
NE SW SECTION 21, T.36S., R.26E.
San Juan County, Utah
10-Point Plan

1. The surface formation is Morrison.

2. Estimated tops of important geological markers are:

Morrison	Surface
Entrada	1035'
Carmel	1175'
Navajo	1225'
Chinle	1885'
Shinarump	2620'
Cutler	2890'
Honaker Trail	4575'
Paradox	5260'
Upper Ismay	5730'
Lower Upper Ismay (Base 2nd Shale)	5910'
Lower Ismay Shale	5970'
Lower Ismay Porosity	6080'
"B" Zone	6100'
Desert Creek	6155'
Lower Bench	6200'
Desert Creek Porosity	6210'
Salt	6295'
Total Depth:	6300'

Objective Reservoir: Lower-Upper Ismay, 5910'
Desert Creek Porosity, 6210'

Other Possible Producing Zones: Honaker Trail, 4575'
Lower Ismay Porosity, 6080'

3. Estimated depths of anticipated water, oil or gas or other mineral bearing formations expected to be encountered:

No mineral bearing formations or water flow anticipated. Surface casing is designed to protect aquifer in the Navajo sandstone.

Oil or gas expected in Objective Reservoir -- Lower-Upper Ismay, 5910'; Desert Creek Porosity, 6210'. Also the Honaker Trail, 4575' and the Lower Ismay Porosity, 6080', may be productive.

4. Casing Program:

Proposed	Footage	Size	Grade	Weight	Condition	Thread
Surface	1960'	9-5/8"	K-55	36#	NEW	8rd ST&C
Production	6300'	5-1/2"	K-55	17#	NEW	8rd LT&C

Cement Program:

Surface: 900 sacks of Regular Type "G" cement plus 70% excess cement treated with 5% Dowell D-43A or 3% Calcium Chloride.

Production: Cement volumes and composition to be determined from caliper logs. Cement to be set 1000 feet above the uppermost producing zone. Cement casing with 50-50 Pozmix A cement.

5. Operator's minimum specifications for pressure control equipment requires a 10", 3000 psi annular preventer, and a 10", 3000 psi double gate blowout preventer from the surface to the total depth. See attached diagram. Blowout preventers will be tested by rig equipment after each string of casing is run. All ram-type preventers will have hand wheels installed and operative at the time the preventers are installed.

6. Fresh water with minimum properties from surface to total depth. Spud mud will be used for the surface hole. A mud de-sander will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. The mud weight will be brought up to 11.7 ppg before drilling into the Desert Creek Zone at 6155'. Mud weight will start to increase at 5950'.

   A fully manned logging unit will be used from 4500' to total depth. The contractor will catch 10' samples from surface to 4500'.

   Sufficient mud materials to maintain mud requirements and to control minor lost circulation and blowout problems will be stored at the well site.

7. Auxiliary equipment will consist of:

   1. A manually operated kelly cock.
   2. No floats at bit.
   3. Mud will be monitored visually from 0' to total depth.
   4. Full opening Shafer floor valve manually operated.

8. Five drill stem tests:

(1 & 2)	Honaker Trail	4575'
3)	Lower Upper Ismay	5910'
4)	Lower Ismay Porosity	6080'
5)	Desert Creek Porosity	6210'

   Cores: 60', Desert Creek Porosity, 6210'

   Mechanical Logs:
   1. Dual Induction Lateralog from total depth to surface pipe.
   2. Compensated Neutron-Density Log with caliper and Gamma Ray from total depth to surface pipe. Run Gamma Ray and CNL to surface.
   3. Continuous Dipmeter from total depth to 4080' (minimum run). Run Gamma Ray correlation log with Dipmeter.

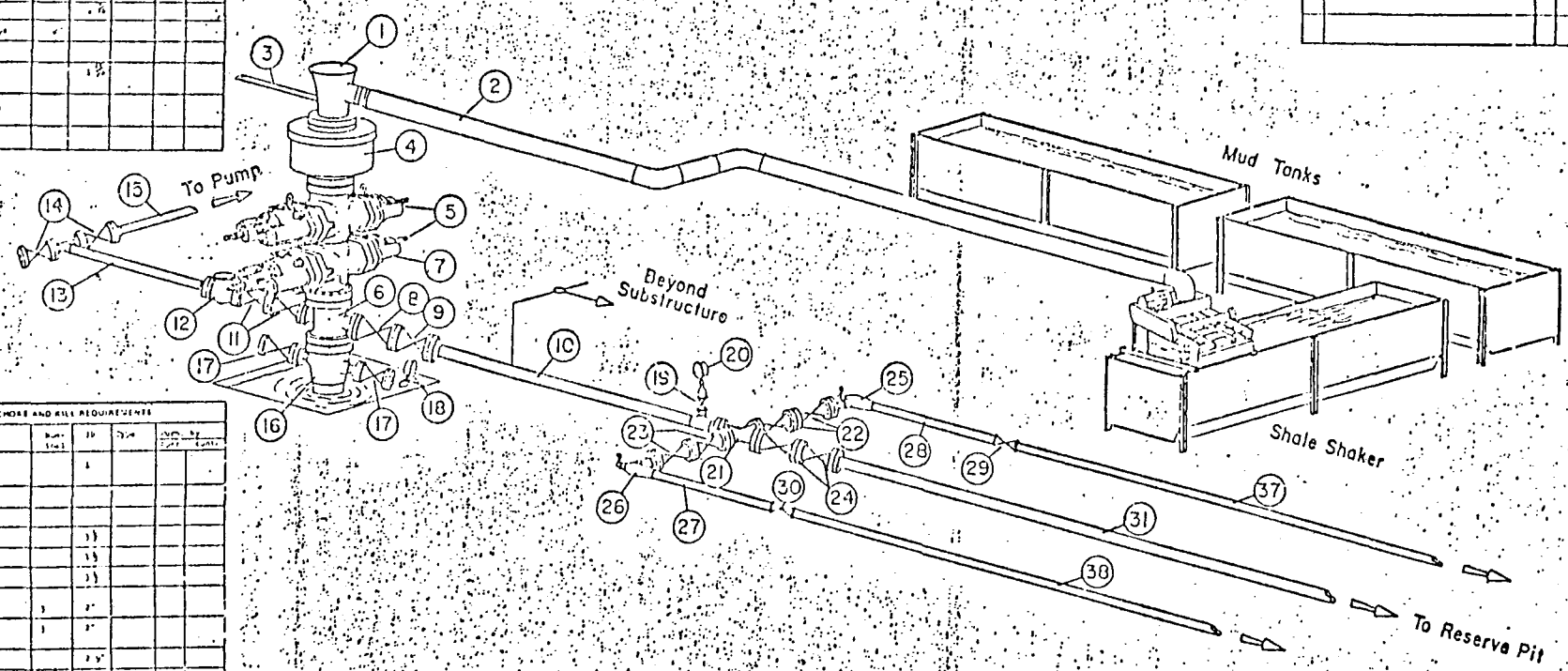
During drill stem testing or when a completion rig is completing a well, some flaring of natural gases or produced gases will be necessary.

9. No abnormal temperatures or Hydrogen Sulfide is anticipated. No abnormal pressures anticipated except the Desert Creek Porosity zone at 6210'. The pressure will be controlled with a mud weight of 11.7 ppg before drilling into the Desert Creek Porosity Zone.

10. The anticipated spud date is upon approval from the State of Utah and the U. S. Geological Survey. Duration of drilling will be approximately 25 days with 2 days completion.

MOUNTAIN FUEL SUPPLY COMPANY

3000 psi BLOWOUT PREVENTION EQUIPMENT



DEVELOPME[redacted] PLAN FOR U.S.G.S. APPROVAL OF [redacted]RFACE USE
WEXPRO DRILLING WELLS

Well Name: BUG WELL NO. 19

Field or Area: BUG

1. Existing Roads:
A) Proposed well site as staked: Refer to well location plat no. M-15650 , well pad layout map no. M-15651 and area map no. M-15659 for location of well, access road, cuts and fills, directional reference stakes, etc.

B) Route and distance from nearest town or locatable reference point to where well access route leaves main road: Refer to area map no. M-15659
From the well to Dove Creek, Colorado, is northeast approximately 22 miles.

C) Access road to location: Refer to well location plat no. M-15650 and area map no. M-15659 for access road. (Color coded red for existing road and blue for road to be constructed.

D) If exploratory well, all existing roads within a 3-mile radius of well site:

Not an exploratory well.

E) If development well, all existing roads within a 1-mile radius:

Refer to area map M-15659.

F) Plans for improvement and/or maintenance of existing roads:

Existing roads will be maintained and improved as necessary to allow safe passage of vehicles.

2. Planned Access Road:
A) Width - 18' wide from shoulder to shoulder.

B) Maximum grade - The maximum grade on the road is 8 percent.

C) Turnouts - No turnouts will be constructed.

D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.

E) Location and size of culverts and description of major cuts and fills -
1) Three 20-inch culverts anticipated at drainages along access road.

2) No major cuts or fills anticipated.

F) Surfacing material - None anticipated.

G) Necessary gates, cattle guards or fence cuts - None anticipated.

H) New or reconstructed roads - The new road to be constructed is center line flagged.

3. Location of Existing Wells - Refer to area map no. M-15659
A) Water wells - None known within a 1 mile radius.

B) Abandoned wells - None within a 1 mile radius.

C) Temporarily abandoned wells - None within a one mile radius.

D) Disposal wells - None within a one mile radius.

E) Drilling wells - None within a one mile radius.

F) Producing wells - None within a one mile radius.

G) Shut-in wells - None within a one mile radius.

H) Injection wells - None within a one mile radius.

I) Monitoring or observation wells for other resources - None within a one mile radius

4. Location of Existing and/or Proposed Facilities - Refer to area map no. M-15659

A) 1) Tank Batteries - None within a one mile radius.

2) Production Facilities - None within a one mile radius.

3) Oil Gathering Lines - None within a one mile radius.

4) Gas Gathering Lines - None within a one mile radius.

5) Injection Lines - None within a one mile radius.

6) Disposal Lines - None within a one mile radius.

B) 1) Proposed location and attendent lines by flagging if off the well pad - A production line will follow the access road out to a central production area, if the well is found to be productive.

2) Dimensions of facilities - Refer to drawing M-15523.

3) Construction methods and materials - The on-location pipelines will be buried approximately 30-inches. The production equipment will be pre-fabricated equipment and located at a central production area. The tankage will have a fire dyke installed around it. The sump pits will be fenced and unlined.

4) Protective measures and devices to protect livestock and wildlife - All sump pits will be fenced. The fence shall be woven wire at least 48-inches high and within 4-inches of the ground. If oil is in the sump pit, the pit will be overhead flagged to keep birds out.

C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - Areas of none use will be restored and reseeded as recommended by the B.L.M.

5. Location and Type of Water Supply -
A) Location of Water - Water will be withdrawn from a reservoir in Section 16, T.36S., R.26E., belonging to C. Sanchez.

B) Method of Transporting Water - To be hauled by 100 bbl. tank truck over existing access roads.

C) Water Well to be Drilled on Lease - None anticipated.

6. Source of Construction Material - None anticipated.
A) Information - None.

B) Identify if from Federal or Indian land - None.

C) Where materials are to be obtained and used - None.

D) Access roads crossing Federal or Indian lands - None.

7. Method for Handling Waste Disposal -
A-D) Cuttings and drilling fluids will be placed in the mud pit. Any produced liquids will be placed in test tanks and hauled out by tank trucks. A chemical toilet will be installed on the well pad. The mud pit shall be constructed with at least 1/2 of its holding capacity below ground level. It shall be fenced as described in Section 10-A.

E) Garbage and other waste material will be placed in the burn pit and covered over with wire mesh to contain the garbage.

F) After drilling operations have been completed, the location will be cleared of litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be allowed to evaporate. Any fill material on the mud pit will be compacted with heavy equipment.

8. Ancillary Facilities - No camps or airstrips exist now, and Wexpro Company has no plans to build them.

9. Well Site Layout - Refer to drawing no. M-15651
1) Refer to drawing no. M-15658 for cross section of drill pad and mud pit with cuts and fills.

2, 3) Refer to the location plat for location of mud tanks, reserve pit, burn pit, pipe racks, living facilities, soil material stockpile, rig orientation, parking areas and access roads.

4) The mud pit is to be unlined.

10. Plans for Restoration of Surface -
A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. Prior to the onset of drilling, the mud pit shall be fenced on three sides. Immediately upon completion of drilling, the fourth side of the pit will be fenced. The fence will be maintained until restoration.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up. The trash pit will be dug so when filled, the depth will be at least three-feet below the finished contour of the location.

D) If oil is in the [redacted] pit, overhead flagging will [redacted] installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location lies on a south slope covered with Juniper and Pinon. Soil is sandy with some sandstone slabs in the area.

B) The surface ownership is fee - James C. Wright, trustee.

C) No known archaeological, historical or cultural sites exist within the area to my knowledge.

12. Lessee's or Operator's Representative -

A. J. Maser, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, Telephone No. 307-362-5611.

13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Wexpro Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

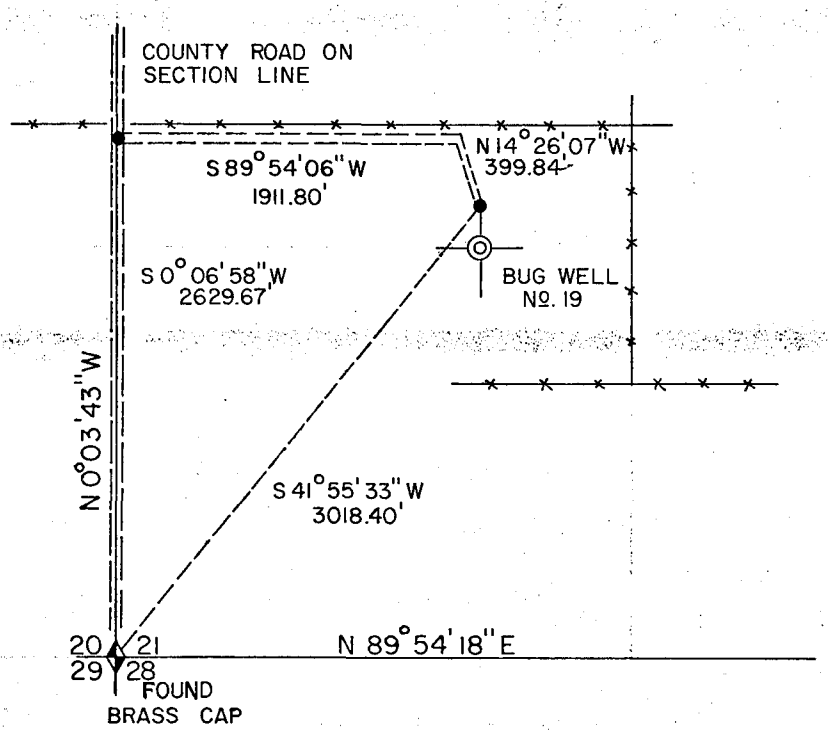
Date 11/24/80

Name A. J. Maser
A. J. Maser

Title Drilling Superintendent

AREA MAP
FOR
BUG WELL LOCATIONS
AND
BUG Nº 19

T.36S., R.26E.



P.I. STATIONS:	BEARING:
1. 0 + 00	
2. 3 + 99.84	N. 14°26'07" W.
3. 23 + 11.64	S. 89°54'06" W.

TABULATIONS

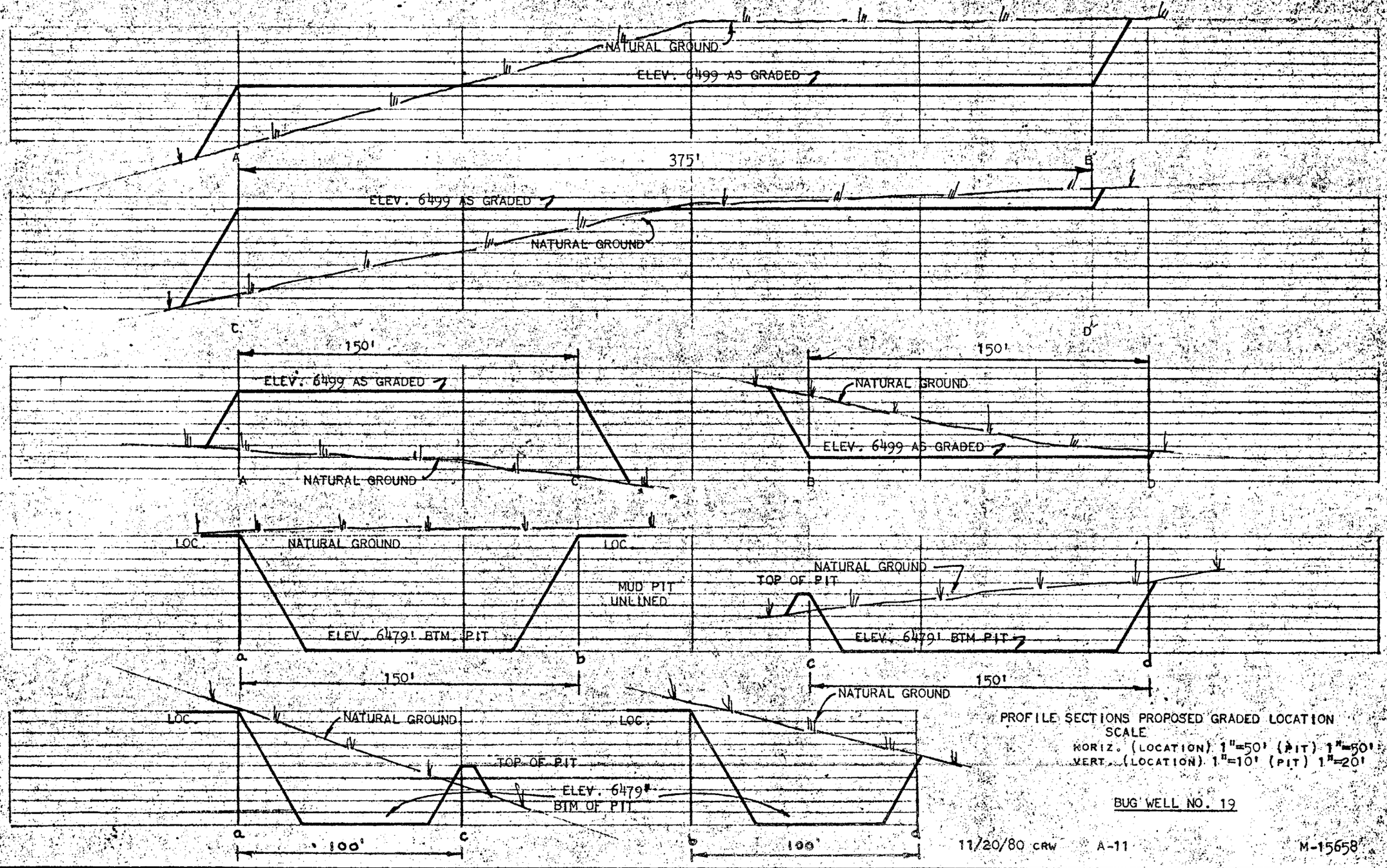
James C. Wright, Trustee
Essie J. and Clifford Wright

2311.64 feet
140.10 rods
0.44 miles

PROPOSED ACCESS ROAD

BUG WELL No. 19

RW-15652



PROFILE SECTIONS PROPOSED GRADED LOCATION

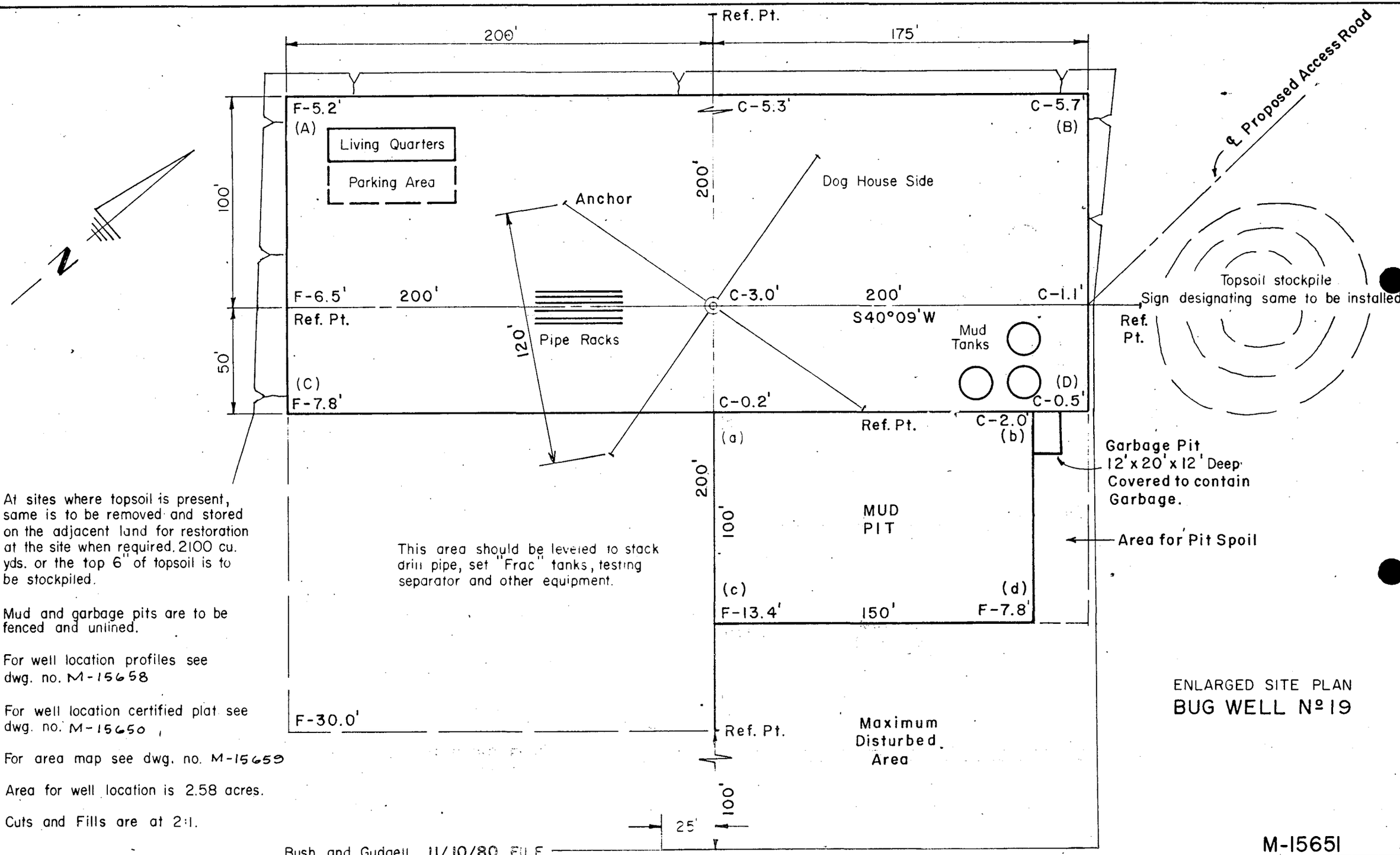
SCALE

HORIZ. (LOCATION) 1"=50' (PIT) 1"=50'

VERT. (LOCATION) 1"=10' (PIT) 1"=20'

BUG WELL NO. 19

11/20/80 CRW A-11 M-15658



At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration at the site when required. 2100 cu. yds. or the top 6" of topsoil is to be stockpiled.

This area should be leveled to stack drill pipe, set "Frac" tanks, testing separator and other equipment.

Mud and garbage pits are to be fenced and unlined.

For well location profiles see dwg. no. M-15658

For well location certified plat see dwg. no. M-15650

For area map see dwg. no. M-15659

Area for well location is 2.58 acres.

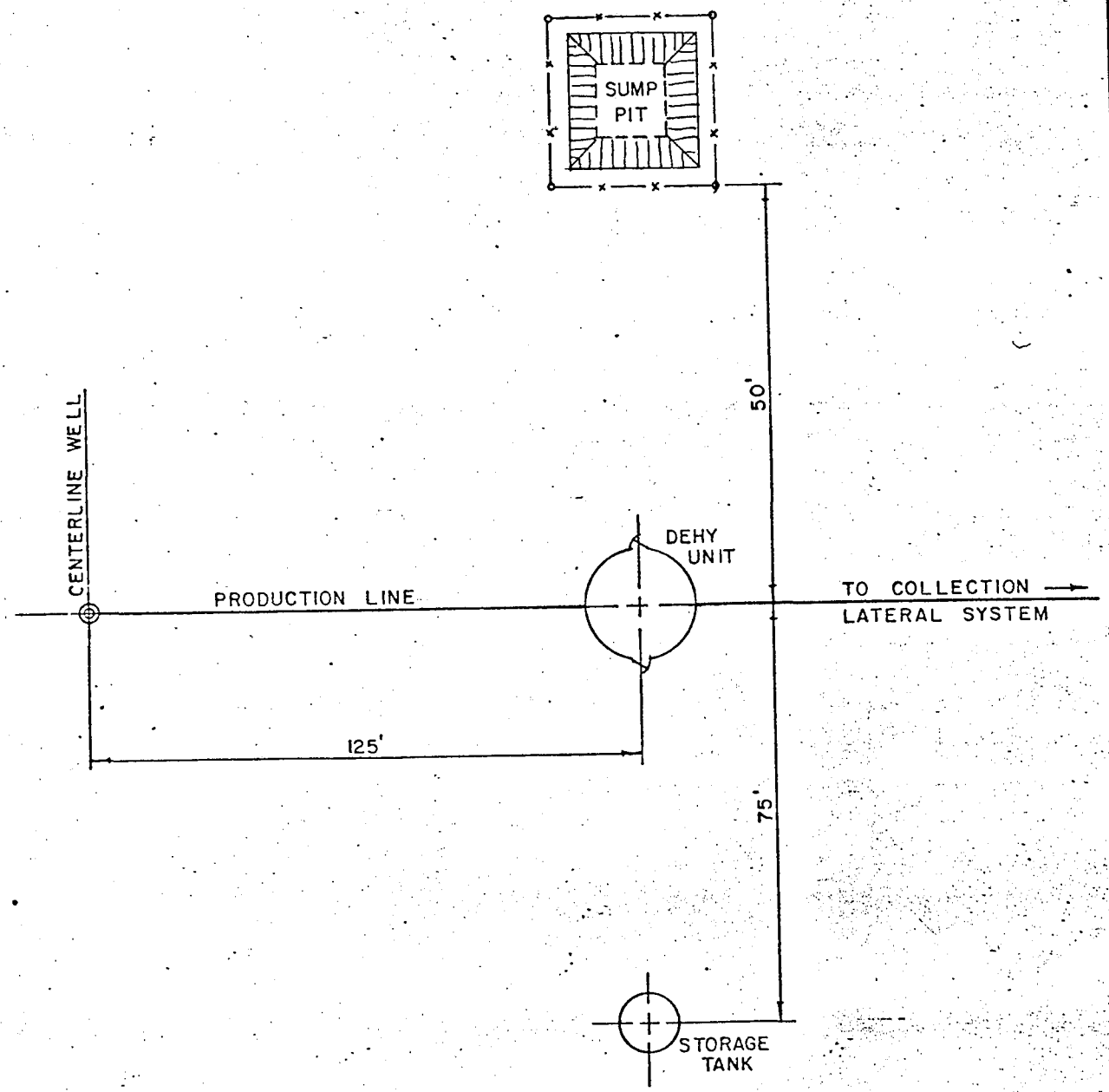
Cuts and Fills are at 2:1.

ENLARGED SITE PLAN
BUG WELL Nº 19

Bush and Gudgell 11/10/80 FILE

M-15651

A-11



REVISIONS			
NO.	DESCRIPTION	DATE	BY

WEXPRO COMPANY

TYPICAL PRODUCTION FACILITIES LAYOUT FOR BUG WELL Nº 19

DRAWN: 7/9/76 FJC	SCALE: NONE
CHECKED:	DRWG. NO. M-12205
APPROVED:	

FILE NO. A-8 SHEET OF

** FILE NOTATIONS **

R

DATE: Dec 1, 1980

OPERATOR: Kerr-McGee Company

WELL NO: Bug #19

Location: Sec. 21 T. 36S R. 26E County: San Juan

File Prepared: ☐ Entered on N.I.D: ☐

Card Indexed: ☐ Completion Sheet: ☐

API Number 43-037-30613

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per order issued in Cause 186-3

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. 186-3 23rd Oct 80 O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

(3)

Lease Designation Fed Plotted on Map ✓

Approval Letter Written ✓

Hot Line ☐ P.I. ☐

December 2, 1980

Wexpro Company
P. O. Box 1129
Rock Springs, Wyoming 82901

RE: Well No. Bug #19
Sec. 21, T. 36S, R. 26E,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 186-3 dated October 23, 1980.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
OFFICE: 533-7771
HOME: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30613.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Original Signed by C. B. Feight

CLEON B. FEIGHT
DIRECTOR

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 15, 1982

Wexpro Company
P. O. Box 1129
Rock Springs, Wyoming 82901

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Well No. Bug #19
Sec. 21, T. 36S, R. 26E
San Juan County, Utah

Well No. Bug #21
Sec. 22, T. 36S, R. 26E
San Juan County, Utah

Well No. Bug #7
Sec. 7, T. 36S, R. 26E
San Juan County, Utah

WEXPRO COMPANY

625 CONNECTICUT AVENUE • P.O. BOX 1129 • ROCK SPRINGS, WYOMING 82901 • (307) 362-5611

January 26, 1982

LA

State of Utah
Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Gentlemen:

This is to notify you that Wexpro Company does not intend to drill the following wells for geologic reasons:

Patterson Unit #3, 32-37S-25E, San Juan County, Utah
Bug # 5, 15-36S-26E, San Juan County, Utah
Bug # 7, 7-36S-26E, San Juan County, Utah
Bug #11, 21-36S-26E, San Juan County, Utah
Bug #19, 21-36S-26E, San Juan County, Utah
Bug #21, 22-36S-26E, San Juan County, Utah

If a decision is made to drill at a later date, Wexpro will re-submit the applications to the Division.

Sincerely,

Jennifer Head

Jennifer Head
Coordinator Environmental Affairs

L.A

Minerals Management Service
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

April 13, 1982

Wexpro Company
P.O. Box 1129
Rock Springs, Wyoming 82901

Re: Application for Permit to Drill
Well No. 19
Section 21-T36S-R26E
San Juan County, Utah
Lease No. U-43653

Gentlemen:

The referenced Application for Permit to Drill was received in the Durango, Colorado office on November 28, 1980.

Review of the application disclosed that the well is on private surface and a Rehabilitation Agreement with the private land owner is still needed. This office cannot process the application as it is deficient and therefore, is returning your application unapproved.

This office will commence processing the application upon receipt of a new complete package.

If you have any questions, please feel free to call.

Sincerely,

E. W. Guynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
MMS-Vernal
Well File
APD Control
DH/dh